Probability – Coins Name:

Monday, October 05, 2009 (with time to finish on October 6, in class)

1. Make a tree diagram for two coin flips.
2. How many possible outcomes are there if you flip a coin two times?
3. If you flip a coin two times, how many outcomes give you a head and a tail?
4. Make a tree diagram for four coin flips.
5. Suppose you flip a coin four times. How many different possible outcomes are there?
6. With four flips, how many outcomes give two heads and two tails?
7. With four flips, how many outcomes give four tails?
8. With four coin flips, how many outcomes give three heads and one tail?
9. Make a tree diagram for five flips.
10. If you flip a coin five times, how man outcomes give three heads and two tails?
11. With five coin flips, how many outcomes give one tail and four heads?
12. Make a tree diagram for seven flips.
13. If a coin is flipped seven times, how many different possible outcomes are there?
14. With seven coin flips, how many outcomes give three heads and four tails?